

METHOD AND APPARATUS OF MODULATING THE FILTERING OF RADIATION DURING RADIOGRAPHIC IMAGING

Abstract of Disclosure

The present invention includes a filtering apparatus for a CT imaging system or equivalently for an x-ray imaging system. The filtering apparatus is designed such that its attenuation profile may be changed prior to or during an imaging session. The attenuation profile can be modulated to mirror an attenuation pattern of a subject thereby optimizing radiation dose exposure to the subject. Furthermore, by implementing two opposing filters that are orthogonally oriented with respect to one another, the x-ray attenuation may be controlled along the x as well as z axis to shape the x-ray intensity.

Figures

Figure 1: A line graph showing the relationship between the number of hours spent studying and the score on a test. The x-axis represents the number of hours (0 to 10), and the y-axis represents the score (0 to 100). The data points are as follows:

Hours	Score
0	50
1	55
2	60
3	65
4	70
5	75
6	80
7	85
8	90
9	95
10	100